

ABSTRACT OF THE DISCLOSURE

A pulse width modulation (PWM) illumination control circuit with a low visual noise for driving a light-emitting diode (LED) is provided. An illumination control pulse-generating unit is used to generate an illumination control pulse signal according to an illumination-adjusting signal. A duty cycle, a phase shift or a frequency of the illumination control pulse signal varies with time within a predetermined scope for controlling a DC/DC converter to drive the light-emitting diode so that the overall visual noise level of the PWM illumination control circuit is improved.

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